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Division of Solid & Hazardous Waste  
Utah Department of Environmental Quality

**PERMIT RENEWAL APPLICATION**

**BEAVER COUNTY  
BULKY WASTE/WEST  
CLASS IVB LANDFILL**

**Prepared for:**

**Beaver County Special Services District #5  
Post Office Box 278  
Milford, Utah 84751-0278**

**Date:**

**January 10, 2003**

**Prepared by:**



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**Revised January 10, 2003 by Gary F. Player  
Consulting Geologist**

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#### Attachment Number

1	PROOF OF OWNERSHIP
2	DAILY LOG
3	RANDOM LOAD INSPECTION RECORD
4	INSPECTION FORM
5	THIRD PARTY CLOSURE COST ESTIMATE
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FIGURE 1 FACILITY MAP

FIGURE 2 LANDFILL CELL PLACEMENT AND  
SEQUENCING, INCLUDING LANDFILL CELL  
CROSS SECTION AND FINAL COVER  
DETAILS

## PART I - GENERAL DATA

### UTAH DEPARTMENT OF ENVIRONMENTAL QUALITY DIVISION OF SOLID AND HAZARDOUS WASTE

#### APPLICATION FOR A PERMIT TO OPERATE A CLASS IVB LANDFILL

The applicant shall submit, in duplicate, an original permit application, a general report, and a technical report to:

Dennis R. Downs, Director  
Division of Solid and Hazardous Waste  
Utah Department of Environmental Quality  
PO Box 144880  
Salt Lake City, Utah 84114-4880

## PART I - GENERAL DATA

1. Name of Facility	<u>Beaver County Bulky Waste/West</u>
2. Site Location	<u>Eight (8) miles south of Milford on Imperial Road</u>
3. Facility Owner	<u>Beaver County Special Service District #5</u>
4. Facility Operator	<u>Beaver County Special Service District #5</u>
5. Contact Person	<u>David Vetsch, Landfill Manager</u>
Address	<u>Beaver County Special Service District #5</u>
	<u>Post Office Box 278</u>
	<u>Milford, Utah 84751-0278</u>
Telephone	<u>(435) 386-2530</u>

#### 6. Type of Facility:

<input checked="" type="checkbox"/> Non-Commercial	<input type="checkbox"/> Initial Application
<input type="checkbox"/> Commercial	<input checked="" type="checkbox"/> Permit Renewal
	Original Permit Number 9415

#### 7. Property Ownership

<input checked="" type="checkbox"/> Presently owned by applicant	
<input type="checkbox"/> To be purchased by applicant	<input type="checkbox"/> To be leased by applicant

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Property owner (if different from applicant)

Name same

Address \_\_\_\_\_

Telephone \_\_\_\_\_

8. Certification of submitted information.

Ronald Jess Bird

(Name of Official)

Chairman

(Title)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

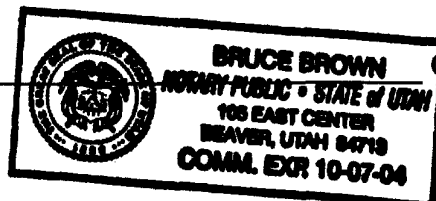
Signature: Ronald Jess Bird Date 1-13-03

SUBSCRIBED AND SWORN to before This 13 day of JAN, 2003.

My commission expires on the 10 day of JULY, 2004

[Signature]  
Notary Public in and for

(SEAL) \_\_\_\_\_



County, Utah.

## **PART II - GENERAL REPORT**

### **1. GENERAL DESCRIPTION**

The following is a general description of the facility, including the types of wastes to be received and handled, and the area served by the facility.

Beaver County Special Service District #5 (the District) now operates a non-profit, Class IVB landfill at Milford Flats. All funds generated by landfill operations are retained by the Beaver County Special Service District #5 and used only to finance solid waste management services within Sanpete County.

Beaver County's Class IVB landfill, known as the Bulky Waste/West facility, is located eight miles south of Milford and five miles north of Minersville on Imperial Road. This location provides good access for the citizens of West Beaver County, with three county maintained roads going to the site. Although this site has been designed for easy access by the residents of the west side of Beaver County, any resident of Beaver County can use the facility.

The site property consists of 155 acres, with the existing facility occupying 30 of those acres. The 30 acres that are being used have been fenced with four-strand barb wire.

The types of wastes accepted at this facility include construction/demolition waste, yard waste, inert waste, dead animals, appliances, tires, and car bodies.

The responsible party for overseeing the operation of the facility is the Beaver County Special Service District #5. The facility is staffed by one equipment operator/landfill manager, the District secretary, and two part-time operators who report directly to the District.

### **2. RELATIONSHIP TO THE SOLID WASTE MANAGEMENT PLAN**

The need for a Class IVB landfill within the county is discussed on page 32 of the Beaver County Solid Waste Management Plan (SWMP), and is excerpted below:

"...a Class II solid waste landfill and a Class IV landfill will remain the primary waste management alternatives for the duration of the planning period."

Beaver County has constructed a Class I landfill at Beaver, instead of the planned Class II. The Class IVB landfill described in this application is in a different location than predicted in the SWMP, but otherwise fulfills the plan.

### **3. LEGAL DESCRIPTION**

There are three parcels which make up the total property occupied or to be occupied by the facility. A legal description of these parcels is provided below. Proof of ownership is provided as Attachment 1.

Parcel 1: The southwest quarter of the southeast quarter and the northwest quarter of the southwest quarter of Section 21, Township 29 South, Range 10 West, Salt Lake Base and Meridian.

Parcel 2: Beginning at the southeast corner of the southwest quarter of Section 21, Township 29 South, Range 10 West, Salt Lake Base and Meridian and running thence North 1,303 feet; thence North  $56^{\circ} 57'$  West 1,602 feet; thence South 2,170 feet; thence East 1,320 feet to the point of beginning.

Parcel 3: Beginning at the southwest corner of the northwest quarter of Section 21, Township 29 South, Range 10 West, Salt Lake Base and Meridian and running thence East 643 feet; thence North 1,605 feet; thence North  $86^{\circ} 02'$  West 578 feet; thence southerly 1,640 feet to the point of beginning.

### **4. PLAN OF OPERATION**

In accordance with State of Utah Department of Environmental Quality (DEQ), Division of Solid and Hazardous Waste *Administrative Rules: Solid Waste Permitting and Management Rules R315-301 through 319*, copies of this Plan of Operation shall be kept on file at the operator's office. The District offices are currently housed in the operator's office at the Class IVB site.

#### **A. SCHEDULE OF CONSTRUCTION**

The facility has been under construction since December of 1993, and the first inert waste was accepted at the facility on December 28, 1993. A gravel access road has been constructed, the perimeter of the active facility is fenced, and both ends of the access road are gated. A landfill office building, piezometer, and culinary well were constructed in 1999.

#### **B. SOLID WASTE HANDLING PROCEDURES**

The facility is open Tuesday through Saturday from 9:00 a.m. until 5:00 p.m. The facility is closed on Sundays and Mondays.



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The facility will accept construction/demolition waste, yard waste, inert waste, dead animals, appliances, tires, furniture, and car bodies. The waste storage and recycling areas (for temporary storage of appliances, tires, yard waste, and car bodies) are separated from the active and future Class IVB landfill pits by the perimeter gravel road and fenced with single strand barb wire. Furniture is received in a 20 cubic yard roll-off bin and transported to the Beaver Class I landfill when the bin is full.

The width of the working face will be restricted by the size of the disposal pits. During the life of this Permit, all waste will be placed in Pit 1, an area approximately 260 feet wide by 264 feet long, and 10 to 12 feet deep. The working face will further be restricted by placing waste in areas approximately 50 feet wide by 50 feet long. Waste will be compacted and the trench filled to the surface before the adjacent area receives waste. Once a 50 feet by 50 feet area of the pit is filled to the surface, the waste will be covered with at least six (6) inches of cover soils in order to prevent a fire hazard.

The following is a description of on-site solid waste handling procedures:

1. All incoming vehicles are met at the gate by the landfill operator. A description of the vehicle and its load are recorded in the Daily Log, including the vehicle's license number, a description of the waste, and the weights or volumes (see Attachment 2 for Daily Log).
2. All materials brought into the site are separated into designated areas, as outlined below, at the time they are brought in.
3. Dead animals are buried in a dead animal pit. The pit is covered with at least six (6) inches of soil by the end of each working day that dead animals are received.
4. Appliances are recycled periodically by a contract salvage company on or about the last working day of September of each year. The salvage company is selected by the Board of Beaver County Special Services District #5. If for some reason recycling is impossible, the appliances, after the removal of Freon, will be transported to the Beaver County Class I landfill, crushed, and placed in the working cell. A sticker stating that Freon has been removed must accompany the appliance. A notation will be made in the log books of both facilities.
5. Tires
  - i. Tires will be stored away from flammable materials.

- ii. Tires will be recycled periodically by a contract salvage company. This action will be recorded in the log book. A bill of lading or receipt from the salvage company will also be required.

6. Junk Cars

- i. All fluids, batteries, and tires must be removed before a junk car can be accepted.
- ii. Clear title from the State of Utah or a dismantlement permit will be required before acceptance.
- iii. Junk cars will be recycled periodically by a contract salvage company. The salvage company shall be selected by the Board of Beaver County Special Services District #5. If for some reason recycling is impossible, the junk cars will be transported to the Class I landfill, crushed, and placed in the working cell. A notation will be made in the log books of both facilities.

7. Construction Debris

- i. All construction/demolition waste which can be accepted at the site and which cannot be recycled, will be buried in an active disposal cell.
- ii. Excess soil material from each pit will be mounded over the construction debris or stockpiled for use as final cover.

8. Yard Waste

- i. Wood, tree limbs, stumps, and etc., will be placed inside the fenced area, but not in the active portion of the Class IVB facility.
- ii. Wood, tree limbs, and stumps will be burned once a year. A burn permit will be obtained from the proper authorities.

9. Furniture

- i. Furniture will be placed in a roll-off bin inside the fenced area.

- ii. Furniture will be moved to the Class I landfill periodically and will be placed in the working cell. A notation will be made in the log books of both facilities.

## **C. CONTINGENCY PLANS**

### **i. Fire**

In the event of a fire, two fire extinguishers are on site: one in the operator's office and one in the operator's truck. If the fire cannot be extinguished or smothered with dirt, the operator will call 911 or radio for help.

The operator will evacuate the landfill, but will not leave the vicinity except where safety is a factor or if directed to by the fire department. The fire chief will be made aware of the type of waste that is on fire and any hazards that may be encountered.

The District and the DEQ must be notified immediately. A written report will be submitted to the DEQ within 14 days of the event.

#### **Emergency Phone Numbers**

EMERGENCY FIRE AND RESCUE .....	911
Minersville Volunteer Fire Dept .....	386-2323
Sheriff's Dept .....	387-2758
Highway Patrol .....	586-9445
Milford Valley Memorial Hospital .....	387-2411
Beaver County Special Service District #5 .....	386-2530
Department of Environmental Quality .....	538-6170
County Health Department .....	438-2482

### **ii. Explosive Gases**

A Class IVB Landfill is very unlikely to produce decomposition gases of any kind. However, in order to cover any contingency, no matter how unlikely, a procedure is in place.

If an explosion should occur, the Landfill will be evacuated and all personnel/customers accounted for. Corrective action will be immediately evaluated and implemented as soon as practicable.

The Supervisor will be notified immediately and the fire department will be called. The Executive Secretary will also be notified immediately.

If the explosive gas is the result of a methane release, the gas levels detected and a description of the steps taken to protect human health will be placed in the operating record within seven days of detection.

A remediation plan for the methane gas release will be placed in the operating record within 60 days of detection and the Executive Secretary will be notified that the plan has been implemented.

### **iii. Failure of Run-On/Run-Off System**

The purpose of run-on/run-off systems is to prevent water from entering or leaving the Landfill. The systems will be inspected regularly and repairs will be made as soon as practicable after discovery.

In the case of run-on system failure, temporary measures such as berms, ditches, sandbags, or other methods will be used to divert water from the Landfill.

These same methods will be used to prevent water from leaving the Landfill if the run-off system is breached. The impact of any release will be assessed as soon as possible after the event.

Any temporary berms or other structures will be checked at least every two hours. Permanent improvements or repairs will be made as soon as practicable.

The Supervisor will be notified immediately if a breach of the run-on/run-off system is discovered. The event will be fully documented in the operating record, including corrective action, within 14 days.

### **iv. Ground Water Contamination**

Since ground water aquifers at the site are very deep (approximately 230 feet below ground level) and very little leachate, if any, will be produced, it is unlikely that leachate will ever contaminate ground water. Monitoring wells will not be installed at the Landfill.

If ground water contamination is ever suspected, studies to confirm contamination will be conducted and the extent of contamination documented. This program may include the installation of vadose zone or ground water monitoring wells. A ground water monitoring program would be developed and corrective action taken as deemed necessary by UDEQ.

#### **D. ALTERNATIVE WASTE HANDLING/DISPOSAL**

During periods when the facility is not able to accept and dispose of solid wastes (in case of equipment breakdown or other unforeseen events), inert waste materials can be stockpiled on site. If required by regulation, inert materials can be transported to the Class I landfill.

Dead animals can be refused by the facility operator when unforeseen conditions require such refusal. Dead animals may then be sent to the Class I landfill in Beaver.

#### **E. PROCEDURE FOR EXCLUDING PROHIBITED WASTE AND PCBs**

The Bulky Waste/West Class IVB facility can only accept for landfilling inert waste, construction/demolition waste, yard waste, or dead animals. The facility will temporarily store furniture, tires, appliances, and car bodies for recycling or disposal outside the active facility boundaries.

Wastes will only be accepted when there is an operator on duty. The landfill operator will meet all vehicles at the gate and each load will be visually inspected. The facility is fenced and locked to deny access whenever the operator is not there.

Should nonhazardous prohibited wastes, or other wastes unacceptable for landfilling at a Class IVB facility (such as household garbage), be discovered either during random waste screening or during placement in the landfill unit, the following options will be utilized to remove these wastes from the landfill:

- i. Wastes will be loaded back onto the hauler's vehicle. The hauler will be informed of proper disposal options;
- ii. If the hauler or generator is no longer on the premises and is known, he or she will be asked to retrieve the waste and given information on proper disposal; or
- iii. The County will transport the waste to the Class I Landfill and bill the original hauler/generator.

If the landfill operator suspects that a load contains hazardous wastes or PCBs, he will notify the proper authorities (County Sheriffs Department, County Health Department, UDEQ, Highway Patrol, and Landfill Manager).

The operator will make a notation in the waste screening form and log book of all loads turned away and why they were turned away. The Technician will also notify the Landfill Manager.

**Waste Screening**

As this facility only accepts approximately 8-10 loads totaling little more than 10 tons each week (532 tons per year), minimum random waste screening will be performed. One monthly random inspection of in-coming loads will be conducted according to the schedule determined by the Landfill Manager. The frequency of random inspections will be increased to twice a month when the number of loads increases to more than 80 loads per month.

In addition to recording the necessary information in the log book, the Random Waste Screening form provided in Attachment 3 will also be filled out.

The load will be refused if any prohibited or suspicious wastes are found. The operator will watch out for the following:

- household garbage or materials other than inert waste, construction/demolition waste, dead animals, or yard waste (except for furniture, tires, or car bodies which may be stored temporarily);
- asbestos or asbestos contaminated materials;
- asphalt;
- contaminated soils or tanks resulting from remediation or clean-up of any release or spill;
- waste paints, solvents, sealers, adhesives or similar hazardous or potentially hazardous materials;
- liquids or containers (including drums) that used to contain liquids;
- stickers, signs, or other markings indicating hazardous materials or radioactivity;
- sludges and septage;
- batteries;
- medical wastes (usually found in red bags); and

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- wastes that may be contaminated with PCBs including electric transformers and lubricating oils.

Waste Screening Procedure

- i. The driver will be directed to the waste screening area. Unauthorized personnel will not be allowed to enter the area.
- ii. The waste screening form will be completed.
- iii. Protective gear will be worn (gloves, goggles, coveralls, hard hat, and a respirator).
- iv. The material will be spread with the dozer or hand tools and examined visually. Suspicious markings or materials, like the ones listed above, will be carefully investigated further.
- v. The Highway Patrol will be called if unstable wastes that cannot be handled safely or radioactive waste are discovered or suspected. Proper notifications as outlined in the section for refusing waste, below, will be made if any hazardous wastes are discovered.

If the wastes are deemed acceptable for either landfilling or temporary storage as defined in the permit, the wastes will be transported to the appropriate area. If the load was paid for, a receipt will be given to the driver when he leaves the landfill.

Procedures for Refusing Wastes

If the operator feels that the load contains hazardous waste or PCBs, he will notify the proper authorities (County Health Department, DEQ, Highway Patrol and Sheriff's Department). The operator will make a notation in the waste screening form and logbook of all loads turned away and why they were turned away. The operator will also notify the District.

Hazardous Wastes Discovered After the Fact

If hazardous wastes or wastes containing PCBs are discovered to have been inadvertently accepted (i.e., once the hauler has left the premises) the procedure below will be followed:

- i. Access to the area will be restricted.
- ii. The situation will be carefully assessed.
- iii. If the waste can be safely moved, the equipment operator will transport it to a secure zone.



- iv. The District will be contacted for further disposition of the waste.
- v. The DEQ, the hauler, and the generator (if known) will be notified within 24 hours of the discovery. The generator will be responsible for proper cleanup, transport, and disposal of the waste.

#### Prohibited Wastes

Should nonhazardous prohibited wastes be discovered either during random waste screening or during placement in the landfill unit, the following options will be utilized to remove these wastes from the Landfill:

- i. Wastes can be loaded back on the haulers vehicle. The hauler will be informed of proper disposal options;
- ii. If the hauler or generator is no longer on the premises and is known, they will be asked to retrieve the waste and given information on proper disposal; or
- iii. The District can transport the waste to a Class I facility and bill the original hauler/generator.

The final disposition of all prohibited wastes will be noted in the log book.

#### **F. VECTOR CONTROL PROGRAM**

A Class IVB facility provides little in the way of food sources and there is no water at the facility. However, bulky items may provide habitat for rodents. All recyclable material will be removed from the site at least once a year. If a problem arises with vector populations, the operator will call a professional exterminator and make the necessary arrangements for moving the offending material. If the materials cannot be removed from the landfill, they will be moved to the pit and covered.

#### **G. SAFETY PROGRAM**

##### Fire Prevention

Any combustible materials will be covered as needed to avoid a fire hazard. The perimeter road inside the fenced portion of the facility is designed to serve as a fire break, preventing the spread of fire to the surrounding property.

**Operator Training**

Adequate training will be provided to ensure each employee complies with the approved "plan of operation" and the "permit". Refresher training will be provided as needed to ensure continued compliance within the approved "plan of operation" and "permit". Certificates of completion will be kept on file with personnel records.

The landfill operator/manager will read the new "plan of operation" and "permit" as soon as they are approved. Any new employees of the landfill must read these documents prior to beginning work at the facility. Each employee shall sign a statement certifying that he or she has read the required documents.

**5. INSPECTIONS AND RECORD KEEPING**

**A. INSPECTIONS**

Routine inspections are necessary to prevent equipment malfunctions and deterioration, landfill technician errors, and discharges which may cause or lead to release of wastes to the environment or to a threat to human health. Inspections will be performed weekly and quarterly as described below:

- i. The landfill operator will conduct a daily walk-through inspection and will document the condition of facility as follows:
  - a. fences and gates,
  - b. access roads,
  - c. run-on and run-off control systems,
  - d. litter and weed control,
  - e. waste piles/depressions,
  - f. appliance and car body storage area, and
  - g. furniture bin.

The inspection form will be dated and signed by the operator and will include notations of observations made and the date and nature of any repairs or corrective action.

- ii. An additional complete inspection will be done quarterly by the Landfill Manager, or by someone who has been appointed by the District for this purpose. Anything not meeting with the inspector's approval will be described in writing and given to the operator to correct.

A sample of the form used to document these inspections is included as Attachment 4.

## **B. RECORD LOCATION**

The daily log, weekly inspection records, and quarterly inspection records will be maintained on site. The permanent location of records will be at the District Office at the Class IVB landfill. The District will retain the inspection records, daily logs, and receipts or bills of lading for recycling for a period of 30 years.

## **6. CLOSURE PLAN**

### **A. FINAL COVER**

Installation of the final cover, seeding, landscaping, and contouring will proceed once the individual cells are closed, or after a decision is made to close the landfill. The procedure will be as follows:

- i. Any stockpiles of excess borrow material from previously excavated disposal pits will be graded to a level or convex upward surface. Slopes on convex upward surfaces will be graded at 3:1 (horizontal:vertical) or flatter convex upward slopes to eliminate potential ponding. The grade of surface slopes shall be no less than two percent (convex upward).
- ii. Final cover over inert wastes shall be at least 24 inches thick. If more natural soil cover materials are needed for final cover than are available from surplus borrow material, additional soil will be excavated from within the property boundary.
- iii. Previously stockpiled topsoil shall be spread over the first 18 inches of natural soil cover materials in an uppermost layer six (6) inches thick.
- iv. This final six (6) inches of topsoil required for the vegetative layer will be seeded with a mix of native grasses, brush, and shrubbery. The seed mix and planting schedule will be chosen by the District after reference to publications of the U.S. Department of Agriculture and other appropriate agencies. The DEQ shall approve the seed mix before it is applied to the vegetative layer.

## **B. CAPACITY**

The capacity of the site in volume and tonnage is estimated as follows:

- i. The fenced portion of the facility covers an area of approximately 30 acres.
- ii. Approximately 20 of the 30 fenced acres will be filled with construction debris to an average depth of 10 feet below ground level (BGL). The volume of 10 feet of fill on 20 acres is 8,712,000 cubic feet, or about 322,667 cubic yards. If the amount of cover material equals 15 percent, then the available volume for disposal on the first 20 acres is 322,667 - 48,400 or approximately 274,267 cubic yards.
- iii. The density of landfilled construction debris averages 800 pounds (.4 ton) per cubic yard. The capacity for the first 20 acres in tons, therefore, is approximately 109,707 tons. At an average disposal rate of 532 tons per year, the first 20 acres could accept waste for 206 years.
- iv. Excess borrow material from previous excavations will be used as final cover on the last open landfill cell. All previously utilized cells will have been covered and reseeded when they were filled (after about five years of use) and closed so that only the active cell will require final cover.

Side slopes on convex upward surfaces will be graded at 3:1 (horizontal:vertical) or flatter convex upward slopes to eliminate potential ponding. The grade of surface slopes shall be no less than two percent (convex upward).

## **C. PROJECTED LIFE SPAN**

The following is a projection of time intervals at which closure or sequential partial closure is to be implemented on existing landfill pits:

- i. Utilization of the Class IVB facility is minimal at this time. The average usage from 1997 through 1999 was 10.2 tons per week (532 tons per year).
- ii. Two landfill pits, P1 (active) and P2 (future) with a total net capacity of about 22,000 tons are now excavated. About 600 tons of waste have been placed in P1, and the total remaining capacity in P1 and P2 is 21,400 tons. At an average usage of 532 tons per year, active pit P1 will last another 18 years and future pit P2 will last for about 22 years. The total surface area of the two pits is 4.2 acres.

- iii. The average capacity per acre for pit P1 (twelve feet deep) is about 6,580 tons. If the average usage remains at 532 tons per year, then the surface area in pit P1 to be filled to a depth of 12 feet each year would be less than 0.08 acre, or about 3,440 square feet.
- iv. About 100 acres of the total 155 acres owned by the District may eventually be used for the Class IV landfill. Even with greatly accelerated usage, the landfill site will remain open for several generations. Careful operation will ensure that only about two thirds of an acre of uncovered construction debris and one dead animal pit will need to be covered at closure.

#### **D. CLOSURE SCHEDULE**

Final cover will be placed incrementally. Each phase of the Landfill will be closed once filling of the next phase has begun, unless additional phases will be constructed over them. Installation of the final cover, landscaping, and contouring will proceed as follows:

- 1. The District will notify the Executive Secretary of the intent to implement closure in part, 60 days prior to the projected final receipt of waste in the unit to be closed.
- 2. The District will begin closure of the Landfill phase within 30 days after receipt of the final volume of waste. Closure activities will be completed within 180 days from their starting time, unless an extension is granted by the Executive Secretary.

When the facility is ready for final closure, the following steps will be taken:

- 1. Once the Landfill is full, or after a decision has been made to close, the operator will sell or move all stockpiled recyclable materials to an independent contractor(s), and bury all remaining waste.
- 2. Any excess borrow material from previously excavated landfill units and/or disposal pits will be placed in the open disposal trench, and then be graded to a level or convex upward surface.
- 3. The final cover system, as described in Figure 2, will be constructed. Slopes on convex upward surfaces will be graded at 3:1 (horizontal:vertical) or flatter convex upward slopes to eliminate potential ponding. The grade of surface slopes shall in no case be no less than two percent (convex upward).

4. When closure is completed, the District shall submit the following to the Executive Secretary within 90 days:
  - a. As-built unit closure plan sheet(s) signed by a professional engineer registered in the state of Utah.
  - b. Certification by the District and a professional engineer registered in the state of Utah that the site has been closed in accordance with the approved closure plan.

## **E. RECORD OF TITLE, LAND USE, AND ZONING RESTRICTIONS**

The closed Landfill will be rezoned, if necessary, to conform to current Beaver County regulations. A description of the Landfill history and filled areas will be permanently appended to the record of title. The statement-of-fact will be recorded no later than 60 days after certification of closure. Proof of the recording will be provided to the Executive Secretary.

Land use restrictions will be assigned that conform to existing regulations for closed landfills at the time of closure.

## **F. FINAL INSPECTION**

The UDSHW will be invited to inspect the final grading of the landfill prior to revegetation. After approval of the final grading, a schedule will be established for revegetation. Agency personnel will then be invited to return to inspect the successful establishment of vegetation after one year.

## **7. COST ESTIMATES AND FINANCIAL ASSURANCE**

### **A. CLOSURE COSTS**

The cost estimates for closure are based on a third party performing closure. Estimated costs must be based on the cost to close the largest area of the disposal facility or unit ever requiring a final cover. Due to the fact that it is the District's plan to recycle all items that are recyclable on a yearly basis, the only area to receive final cover will be one dead animal pit and the active cell of one construction debris pit. The covered areas will then be reseeded with natural vegetation.

*PERMIT APPLICATION*  
*Beaver County Bulky Waste/West Class IVB Landfill*  
*January 10, 2003, Revised January 10, 2003 - Page 19*

Final cover will be placed on the top of the active cell. Additional soil will be needed to cover 3:1 slopes to be graded with waste along two sides of the waste pile--the third and fourth sides will have been constructed against the vertical south and west walls of the active pit P1 or previously closed cells.

Anticipated closure costs during the five years of this permit renewal period are estimated to be about \$7,466.25 (see Table 1, below). **This figure is based on grading and seeding an active cell in pit P1 that would have been utilized for five years.** This cell would have a surface area of about 17,500 square feet and two 3:1 side slopes totaling an additional 11,500 square feet. The surface area to be covered would therefore be  $17,500 + 11,500$  square feet, which equals 29,000 square feet. The area to receive final cover over an open dead animal pit would be about another 100 square feet. The total area to be covered, therefore, will be about  $29,000 + 100$  square feet, which equals 29,100 square feet.

Approximately 1,617 cubic yards of final cover soil will be needed to cover 29,100 square feet to a depth of 18 inches. Covering this same area with six inches of topsoil will require an additional 539 cu yards of soil. Both the cover material and topsoil (a total of 2,156 cubic yards) will be obtained from the landfill site, so that the only costs incurred will be those to place and grade the material. A cost estimate for grading, placing final cover, and reseeding was obtained from Rollins Machine Incorporated on December 1, 1994, and is provided as Attachment 5. Richard Rollins of RMI, Inc., confirmed by telephone on February 22, 2000, that the original estimates are still valid.

**TABLE 1. ESTIMATED CLOSURE COSTS**

ITEM		UNIT MEASURE	COST/UNIT	NO. UNITS	TOTAL COST
1.0	Engineering				
1.1	Topographic Survey	--	--	--	N/A
1.2	Boundary Survey for Affidavit	Hours	65.00	8	\$520.00
1.3	Site Evaluation	Hours	65.00	4	260.00
1.4	Development of Plans	Hours	65.00	4	260.00
1.5	Contract Administration, Bidding and Award	Hours	35.00	8	280.00
1.6	Administrative Cost for the Certification of Final Cover and Affidavit to the Public	Hours	65.00	8	520.00
1.7	Project Management; Construction Observation and Testing	Hours	30.00	24	720.00
1.8	Monitor Well Construction Cost				N/A
1.9	NPDES Construction Storm Water Permit, and other Permits				N/A
<b>SUBTOTAL</b>					<b>\$2,560.00</b>
<b>10% CONTINGENCY</b>					<b>256.00</b>
<b>ENGINEERING TOTAL</b>					<b>\$2,816.00</b>



*PERMIT APPLICATION*  
*Beaver County Bulky Waste/West Class IVB Landfill*  
*January 10, 2003, Revised January 10, 2003 - Page 21*

ITEM	UNIT MEASURE	COST/UNIT	NO. UNITS	TOTAL COST
2.0 Construction				
2.1 Final Cover System				
2.1.1 Completion of Sidewall Liner	N/A	--	--	N/A
2.1.1a Soil Placement	N/A	--	--	N/A
2.1.1b Soil Processing	N/A	--	--	N/A
2.1.1c Soil Amendment	N/A	--	--	N/A
2.1.1d Soil Purchase	N/A	--	--	N/A
2.1.1e Transportation	N/A	--	--	N/A
2.1.2 Drainage Layer on Sidewall	N/A	--	--	N/A
2.1.2a Geotextile Filter Fabric	N/A	--	--	N/A
2.1.2b Geonet/Geotextile Composite	N/A	--	--	N/A
2.1.2c Geomembrane Sidewall Liner	N/A	--	--	N/A
2.2 Completion of Top Cover				
2.2.1 Infiltration Layer	N/A	--	--	0.00
2.2.1a Soil Placement	cu yards	1.00	1,617	1,617.00
2.2.1b Soil Processing	N/A	--	--	N/A
2.2.1c Soil Amendment	N/A	--	--	N/A
2.2.1d Soil Purchase	N/A	--	--	N/A
2.2.1e Transportation	N/A	--	--	N/A
2.2.2 Flexible Membrane Cover	N/A	--	--	N/A
2.2.2 Drainage Layer in Top	N/A	--	--	N/A
2.2.2a Sand Layer	N/A	--	--	N/A
2.2.2b Geotextile Filter Fabric	N/A	--	--	N/A

*PERMIT APPLICATION*  
*Beaver County Bulky Waste/West Class IVB Landfill*  
*January 10, 2003, Revised January 10, 2003 - Page 22*

ITEM	UNIT MEASURE	COST/UNIT	NO. UNITS	TOTAL COST
2.2.2c Geonet/Geotextile Composite	N/A	--	--	N/A
2.3 Erosion Layer Placement	cu yards	1.00	539	539.00
2.4 Native Revegetation	sq feet	0.01	29,100	291.00
2.5 Site Grading and Drainage	sq feet	0.04	29,100	1,164.00
2.6 Site Fencing and Security	N/A	--	--	0.00
2.7 Leachate Collection System Completion	N/A	--	--	N/A
2.8 Completion of Gas Monitoring System	N/A	--	--	N/A
<b>SUBTOTAL</b>				<b>3,611.00</b>
<b>10% CONTINGENCY</b>				<b>361.10</b>
<b>CONSTRUCTION TOTAL</b>				<b>3,972.10</b>

ITEM	UNIT MEASURE	COST/UNIT	NO. UNITS	TOTAL COST
3.0 Ground-water Characterization Cost				
4.0 Monitor Well Installation Costs				
4.1 Monitoring Well Installation	N/A	--	--	N/A
4.2 Piezometer and Monitor Well Plugging	piezometer	500	1	500
<b>SUBTOTAL</b>				<b>500.00</b>
<b>10% CONTINGENCY</b>				<b>50.00</b>
<b>GROUND-WATER INSTALLATION TOTAL</b>				<b>550.00</b>

**Calculation of Total Closure Costs**

Engineering Total:	\$2,816.00
Ground Water Total:	550.00
Construction Total:	3972.10
____% Contract Performance Bond:	included
<b>SUBTOTAL:</b>	<u>7,338.10</u>
Legal Fees (25% of Subtotal):	<u>1,834.53</u>
<b>TOTAL CLOSURE COSTS:</b>	<b>9,172.63</b>

**B. POST-CLOSURE COSTS**

The post-closure cost estimates shown in Table 2, below, cover the 30 year post-closure period. It is anticipated that minimal care requirements will be necessary as the site is to be reseeded with native grasses that will not require irrigation or constant, routine maintenance. Anticipated tasks include annual inspections, recordkeeping, and maintaining cover integrity.

**TABLE 2. ESTIMATED POST-CLOSURE COSTS**

ITEM	UNIT MEASURE	COST/UNIT	NO. UNITS	TOTAL COST
1.0 Engineering Costs				
1.1 Post-Closure Plan	N/A	--	--	N/A
1.2 Site Inspection and Record keeping (semi annual)	Per Inspection	100.00	60	6,000.00
1.3 Correctional Plans and Specifications (annual)	Hours	65.00	8	520.00
1.4 Site Monitoring (semi-annual)	N/A	--	--	N/A
2.0 Construction Cost	N/A	--	--	N/A
3.0 Leachate Disposal	N/A	--	--	N/A
<b>SUBTOTAL</b>				<b>6,520.00</b>
<b>10% CONTINGENCY</b>				<b>352.00</b>
<b>TOTAL</b>				<b>6,872.00</b>

**Financial Assurance Costs**

Closure Cost Total:	\$9,172.63
Post-Closure Total:	<u>6,872.00</u>
<b>TOTAL FINANCIAL ASSURANCE:</b>	<b>16,044.63</b>

### **C. FINANCIAL ASSURANCE MECHANISM**

The financial assurance plan is outlined below. The total estimated costs for closure and post-closure care is \$16,044.63.

The financial assurance mechanism is as follows:

- i. The District has on deposit with Utah Public Treasurer's Investment Fund, Account Number 6236, the sum of \$16,044.63. A copy of the December 31, 2002 Statement of Account is provided in Attachment 6. The funds in Account 6236 are in a landfill escrow account that fulfills the requirements of Section R315-309 of the Rules. A copy of the completed escrow agreement, including the State Treasurer's signature, is provided in Attachment 6.
- ii. Currency fluctuations over the life of the landfill will be accounted for by the financial institution that holds the Financial Assurance instrument. The adequacy of the Financial Assurance instrument will be re-evaluated in each annual landfill report.
- iii. Money deposited in the Landfill escrow account shall be used exclusively for closure, post-closure care, and corrective action. Withdrawal of funds will only be made with the Executive Secretary's approval.

## **PART III - TECHNICAL DATA**

### **1. DESCRIPTION OF SITE VICINITY**

An original of the most recent full size U.S. Geological Survey (USGS) topographic survey of equivalent detail of the site area is provided as Attachment 7. This map shows the facility boundary, the property boundary, the latitude and longitude coordinates of the front gate, the land use and zoning of the surrounding areas, any existing utilities and structures within one-fourth mile of the site, surface drainage channels, and the direction of the prevailing winds.

As shown on the USGS map, there are no structures or utilities within one-fourth mile of the site boundaries. The closest utility is a power line approximately 0.3 miles southwest of the southwest corner of the fenced facility. The surrounding property is zoned agricultural (A-20 zone). The active channel of Beaver River is located about 200 feet to the northeast of the fenced facility; no drainage channels cross the site. Prevailing winds are south to north.

A map of the facility showing the location of any structures and roads is shown on Figure 1 - Bulky Waste/West Class IVB Landfill Facility (see Attachment 8). This map also shows the location of the yard waste storage area, the dead animal pit, the recycling storage area, the location of filled areas, the current and future pit excavations (P1 and P2), the piezometer, and spoil piles.

### **2. ENGINEERING CONSIDERATIONS**

#### **A. GENERAL REQUIREMENTS**

The following is a discussion of the facility design, general daily operation, sources for final cover, drainage, and equipment requirements and availability.

- i. The facility is in a flat, sparsely vegetated field and is fenced with four-strand barbed wire supported by driven steel posts.
- ii. General daily operation consists of placement of segregated inert wastes in a rubble pile within the active pit P1 (average depth of about 12 feet BGL). The active pit is approximately 260 feet wide and 264 feet long.

The location and sequencing of waste disposal in P1 is shown on Figure 2 - Landfill Cell Placement and Sequencing. A Landfill Cell Cross Section, including Final Cover Details, is also shown on Figure 2.

Recyclable materials are stored for future sale (see Section 4, Plan of Operation, above). Dead animals are placed in pits and covered daily.

Combustible yard waste is not accepted in the active landfill pit: yard waste materials are stored outside of the active landfill area to be burned annually or when allowed by permit.

- iii. The gravel road that has been constructed inside the perimeter of the facility functions as a fire break and run-on/run-off control system. The road has been constructed, and will be maintained, so that it is at least 20 feet wide and has a lift of gravel at least 4 inches thick.

A four-inch elevation on the perimeter road is more than sufficient to control run-off and run-on resulting from a 25 year, 24 hour storm event as the discussion below demonstrates.

The site is nearly flat with no major drainages crossing the property. There is a stream bed (Beaver River) to the northeast of the site which will intercept any run-off from the mountain range to the east. This stream does not have a significant flood potential because it is dammed in Minersville Reservoir a few miles upgradient from the landfill site.

The height of the west bank of Beaver River is six feet. Topographic contours from the Cave Canyon 7.5 minute quadrangle show that potential flood waters from Beaver River would overflow to the north and east of the landfill.

Soil within the perimeter of the facility is characterized by a thin layer (one to three feet) of permeable loamy sand underlain by a thick layer of coarse, well graded gravel. This gravel layer is at least 100 feet thick and is comprised of gravel and cobbles with diameters of up to 4 inches in diameter. The rate of rainfall infiltration at the site is controlled by the upper sand layer.

According to *APPLIED HYDROLOGY, CHOW ET AL*, an average hydraulic conductivity for loamy sand is 2.99 cm/hr (1.18 in/hr). Below is a calculation using the

Green-Ampt method to estimate the time to ponding and hence run-off. As will be seen, the hydraulic conductivity of the soil is greater than the rainfall intensity at the site, and the equation returns a negative number for the time to ponding. This indicates that ponding will not occur at the site during a 25 year, 24 hour storm event.

Green-Ampt method for time to ponding:

Given:

$K = 2.99 \text{ cm/hr}$	hydraulic conductivity
$\Psi = 6.13 \text{ cm}$	wetting front soil suction head
$\Delta\theta = 0.381$	moisture content (using 5% effective saturation)
$I = 0.254 \text{ cm/hr}$	rainfall intensity (25 yr, 24 hr storm)

Solving:

$$t_p = K\Psi\Delta\theta/(I(I-K))$$
$$t_p = -10.0 \text{ hr}$$

Where soil characteristics vary slightly at the site, minimal and sporadic ponding could occur. It is unlikely that this ponded water would move without seeping into surrounding sands, but if it did a four-inch elevated perimeter road would be sufficient to contain it on site.

- iv. Final cover materials will be excavated from within the property boundary.
- v. A Case 680G backhoe is kept on site. It has a two-foot wide hoe and an 82-inch wide loader bucket.

## **B. FUGITIVE DUST CONTROL**

Prevailing winds are south to north. Gusts to 60 miles per hour are frequent during spring and fall. Fugitive dust will be controlled by minimizing excavation of natural vegetation. Active and future pits now excavated for placement of construction debris have coarse gravel bottoms and sides, thereby minimizing exposure of fine-grained soils to gusty winds. Filled pits will be regraded and revegetated as soon as possible.



If the above measures do not control the dust and it becomes a problem, the landfill operator will request the use of either a county, city, or private water truck in order to lightly moisten the ground with water.

### **C. CLOSURE REQUIREMENTS**

Closure design, construction, maintenance, and land use are discussed in Part I, Section 6, Closure Plan.

***ATTACHMENT 1***  
***PROOF OF OWNERSHIP***

Recorded at Request of \_\_\_\_\_  
at \_\_\_\_\_ M. Fee Paid \$ \_\_\_\_\_  
by \_\_\_\_\_ Dep. Book \_\_\_\_\_ Page \_\_\_\_\_ Ref: \_\_\_\_\_  
Mail tax notice to GRANTEE \_\_\_\_\_ Address P.O. Box 278  
Milford, UT 84751

# WARRANTY DEED

181873

MAX M. MAYER, Attorney in fact for DAVID CAMPBELL  
of Milford, UT 84751 County of Beaver State of Utah, hereby  
CONVEY and WARRANT to  
BEAVER COUNTY SPECIAL SERVICE DISTRICT #5

of Milford, UT 84751 County of Beaver, State of Utah  
for the sum of \*\*\*\*\* TEN AND NO/100 DOLLARS \*\*\*\*\* DOLLARS

the following described tract of land in Beaver County,  
State of Utah, to-wit:  
See Attached EXHIBIT 'A'...

5927-5-346  
SECURITYTITLE COMPANY

FILED FOR RECORD  
10:00'clock AM  
DEC 15 1993  
Beaver County Recorder  
Fee \$ 13

WITNESS the hand of said grantor, this 8 day of December A. D. 19 93

Signed in the presence of

DAVID CAMPBELL

By: *Max M. Mayer* in fact  
MAX M. MAYER, Attorney in fact

STATE OF UTAH  
COUNTY OF BEAVER

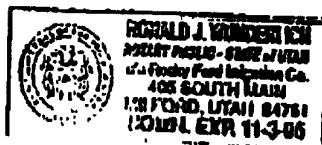
{ SS.

On the 10<sup>th</sup> day of December A.D. 1993 personally  
appeared before

MAX M. MAYER, Attorney in fact for DAVID CAMPBELL

the signer of the within instrument who duly acknowledged  
to me that he executed the same.

*Ronald J. Wunder*  
Notary Public Beaver, Utah



BOOK 272 PAGE 424

EXHIBIT 'A'...

Parcel 1:

The Southwest quarter of the Southeast quarter and the Northwest quarter of the Southwest quarter of Section 21, Township 29 South, Range 10 West, Salt Lake Base and Meridian.

Parcel 2:

Beginning at the Southeast corner of the Southwest quarter of Section 21, Township 29 South, Range 10 West, Salt Lake Base and Meridian, and running thence <sup>North</sup> 1303 feet; thence North 56°57' West 1602 feet; thence South 2170 feet; thence East 1320 feet to the point of beginning.

Parcel 3:

Beginning at the Southwest corner of the Northwest quarter of Section 21, Township 29 South, Range 10 West, Salt Lake Base and Meridian, and running thence East 643 feet; thence North 1605 feet; thence North 86°02' West 578 feet; thence Southerly 1640 feet to the point of beginning.

TOGETHER WITH all rights, privileges, easements, rights of way, improvements and appurtenances thereunto belonging or in anyway appertaining thereto.

\* \* \* \*

TLR

MM

***ATTACHMENT 2***

***DAILY LOG***

# Class IV Landfill

	License Number	Bill to Name	Signature	Fee	Receipt Number	Household			Cons
						com	res	com	
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
			Total All Columns						

Legend: com = commercial - \$12 ton  
 res = residential  
 12.00 ton C = car-\$1  
 T = truck -\$5

I = Implement \$10  
 S = small - \$2  
 M = medium - \$3  
 L = large - \$5

1/4 = .25  
 1/3 = .33  
 1/2 = .50  
 2/3 = .66

***ATTACHMENT 3***

***RANDOM LOAD INSPECTION RECORD***

# BULKY WASTE/WEST CLASS IVB LANDFILL

## Random Load Inspection Record

INSPECTION INFORMATION	
Inspector's Name:	
Date of Inspection:	
Time of Inspection:	
Facility Name:	
TRANSPORTER INFORMATION	
Company Name:	
Address:	
Phone Number:	
VEHICLE INFORMATION	
Driver's Name:	
Vehicle Type:	
Vehicle License Number:	
Description of Waste:	
OBSERVATIONS AND ACTIONS TAKEN	
Photo Documentation: <input type="checkbox"/> Yes <input type="checkbox"/> No	

Driver's Signature\*: \_\_\_\_\_ Date: \_\_\_\_\_

Inspector's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

\*Driver's signature hereon denotes: His presence during the inspection and does not admit, confirm or identify liability.



***ATTACHMENT 4***  
***INSPECTION FORM***

# BULKY WASTE/WEST LANDFILL INSPECTION FORM

Performed by: \_\_\_\_\_ Date: \_\_\_\_\_

	Overall Condition	
	Satisfactory	Needs Work*
<b>I. Structures and Roads</b>		
1. Buildings	_____	_____
2. Fences	_____	_____
3. Gates	_____	_____
4. Road leading to facility	_____	_____
5. Inside perimeter road	_____	_____

\*Specify recommended repairs and/or list actions taken:

---



---



---

## I. Operations

1. Litter and weed control	_____	_____
2. Excavations	_____	_____
3. Daily cover	_____	_____
4. Final cover	_____	_____
5. Waste Piles		
a. Appliances	_____	_____
b. Construction/Demolition	_____	_____
c. Tires	_____	_____
d. Inert waste	_____	_____
e. Car bodies	_____	_____
f. Yard waste	_____	_____
6. Recyclables/Furniture storage area	_____	_____

\*Specify recommended repairs and/or list actions taken:

---



---



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***ATTACHMENT 5***  
***THIRD PARTY CLOSURE COST ESTIMATE***

**R M I**

ROLLINS MACHINE INCORPORATED

**PROMPT  
PROFESSIONAL  
SERVICE**

P.O. BOX 249 MILFORD, UTAH 84751

(801) 387-2202 OR 387-2451

December 1, 1994

Beaver County Special Service District #5  
P.O. Box 278  
Milford, Utah 84751-0278

Dear Board Members:

Following is the current costs for moving and hauling dirt.

\$1.00 per cu. yard .....moving dirt around &amp; grading

\$2.50 per cu yard to haul in dirt

\$300.00 per acre for reseeding. Price includes seed and planting.

The reseeding cost could go down depending on the types of seed that you will be needing. I figured the cost using the seed required for some of the BLM reseeding jobs that I have down, using a mix of native plantings. You may not need as many different types of seed as they have required.

Sincerely,



Richard W. Rollins  
President

***ATTACHMENT 6***  
***RECORD OF BANK DEPOSITS***

PAGE: 1

ESCROW-BEAVER CO SSD #5

01/06/03

STATEMENT OF ACCOUNT NO: 6236

REPORT PERIOD: 12/01/02 TO 12/31/02

DATE	REFERENCE	DEPOSITS	WITHDRAWALS	BALANCE
12/01/02	BEGBAL	0.00	0.00	0.00
12/01/02	TRANSFER	16,229.74	0.00	16,229.74
12/31/02	NETEARN	28.34	0.00	16,258.08
12/31/02	ENDBAL	0.00	0.00	16,258.08

## ACCOUNT SUMMARY

BEGINNING BALANCE:	0.00
DEPOSITS IN THE PERIOD:	16,258.08
WITHDRAWALS IN THE PERIOD:	0.00
ENDING BALANCE:	16,258.08
GROSS EARNINGS:	28.34
ADMINISTRATIVE FEE (0.0000%)	0.00
NET EARNINGS:	28.34
AVERAGE DAILY BALANCE:	16,229.74
GROSS EARNINGS RATE:	2.0276%
NET EARNINGS RATE:	2.0276%

+ EQUIVALENT 365 DAY RATE IS +  
+ 2.0558% +

RECEIVED

JAN 14 2002  
02.00116

**A. Parties to the Agreement:**

- Contact:**

TENNYA ASAY

Tel. No. 435-386-0520  
Tel. No. \_\_\_\_\_

- Contact:**

Teff Emmons  
Dennis Downs

Tel. No. 538-6748  
Tel. No. 538-6170  
Tel. No. \_\_\_\_\_

- Contact:**

**Robert C. Kirk, Financial Manager**  
**Stephanie Baldes, Accountant**

**B. Deposit Amount(s):**

- \$ \_\_\_\_\_ From: \_\_\_\_\_  
\$ \_\_\_\_\_ From: \_\_\_\_\_  
\$ \_\_\_\_\_ From: \_\_\_\_\_

\_\_\_\_\_ (the  
"Instrument")

\_\_\_\_\_ (the  
"Project")

**This Summary is an integral part of the Escrow Agreement**

UTAH PUBLIC TREASURERS' INVESTMENT FUND  
New Account Application and Change Form

A. Title of Account Escrow - Beaver County Special Service District #5 DATE \_\_\_\_\_

B. PTIF Account Number(s) 6236

ACTION:

<input checked="" type="checkbox"/> Create New PTIF Account (Sec. A,C,D,E,F)	<input type="checkbox"/> Change Bank/Account (Sec. A,B,E,F)	<input type="checkbox"/> Add Bank/Account (Sec. A,B,E,F)
<input type="checkbox"/> Change Address (Sec. A,B,D,F)	<input type="checkbox"/> Change Authorized Individuals (Sec. A,B,C,F)	<input type="checkbox"/> Change Internet Access (Sec. A,B,C,F)

C. Individuals Authorized to Make Deposits/Withdrawals:

NAME

TITLE

PHONE INTERNET ACCESS (Y/N) \*

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_

D. PTIF Statement Mailing Address: Beaver County Special Service District #5  
Attn: Tanya Hays  
P.O. Box 812  
Willford, UT 84751

E. Bank (Depository) Information:

New/Additional Bank

Delete Bank

a. Name of Bank \_\_\_\_\_

Name of Bank \_\_\_\_\_

b. Account Number \_\_\_\_\_

Account Number \_\_\_\_\_

1 Checking ☐ Savings ☐ Other \_\_\_\_\_

F. Authorization: In accordance with applicable statutes and procedures established by the Utah State Treasurer, we the undersigned hereby authorize the Utah State Treasurer to make the above changes and/or initiate wire and/or automated clearing house (ACH) credit entries and/or debit entries to our bank indicated above. The depository named above is authorized to credit and/or debit the same to such account. This authorization is to remain in full force and effect until the Utah State Treasurer has received written notification from us of its termination.

Signed [Signature] 2-6-02  
(Date)

Name DAVID CHRISTIANSEN

Title CHAIRMAN

Signed [Signature] 2-6-02  
(Date)

Name Scott Wiseman

Title Board member

**TWO SIGNATURES REQUIRED**

Please attach a deposit slip and return this form to:

Utah State Treasurer's Office  
215 State Capitol  
Salt Lake City, Utah 84114

Must be a registered user, see our website at [www.treasurer.state.ut.us](http://www.treasurer.state.ut.us)

Form UPTIF 1/2



## II. AGREEMENT

The undersigned hereby deliver to the Treasurer, the Proceeds and Additional amount(s) to be held and disposed of by the Treasurer in accordance with the duties, instructions, and upon the terms and conditions hereinafter set forth in this Escrow Agreement to which the undersigned hereby agree:

1. For purposes of this Escrow Agreement and this Escrow Agreement only:
  - (a) The Treasurer shall not incur any liability in acting upon any written authorization and request delivered hereunder and believed by the Treasurer to be genuine and to be signed by the proper parties.
  - (b) The Treasurer may consult with legal counsel in the event of any dispute or question as to the construction of the Treasurer's duties hereunder and shall not be held to any liability for acting in accordance with advice so received.
  - (c) The Treasurer shall have a first lien on the moneys held by it hereunder for its compensation and for any costs, liability or expense or counsel fees it may incur.
2. In the event of any disagreement between the undersigned or any of them, and/or any other person, resulting in adverse claims and demands being made in connection with or for any moneys involved herein or affected hereby, the Treasurer shall be entitled at its option to refuse to comply with any such claim or demand, so long as such disagreement shall continue, and in so refusing the Treasurer may refrain from making any delivery or other disposition of any moneys involved herein or affected hereby and in so doing the Treasurer shall not be or become liable to the undersigned or any of them or to any person or party for its failure or refusal to comply with such conflicting or adverse demands, and the Treasurer shall be entitled to continue so to refrain and refuse so to act until:
  - (a) The rights of the adverse claimants have been finally adjudicated in a court assuming and having jurisdiction of the parties and the moneys involved herein or affected hereby; and/or
  - (b) All differences shall have been adjusted by agreement and the Treasurer shall have been notified thereof in writing signed by all of the persons interested.
3. The fees for the usual services of the Treasurer under the terms of this Escrow agreement are set forth in the schedule attached hereto as Exhibit A. It is agreed that additional compensation shall be paid to the Treasurer for any additional or extraordinary service it may be requested to render hereunder, and the Treasurer shall be reimbursed for any out-of-pocket expenses (including, without limitation, fees of counsel) reasonably incurred in connection with additional or extraordinary services.
4. The Entity and the State hereby agree that the deposit of the Proceeds shall constitute compliance with applicable deposit and investment provisions of the Instrument.
5. The duties of the Treasurer under the terms of this Escrow Agreement are as follows:
  - (a) The Treasurer shall receive into a separate fund (the "Escrow Account") Proceeds and any additional amounts to be used in connection with the Project.
  - (b) The Treasurer shall reimburse Entity in amounts authorized in writing by the Entity and the State.
  - (c) Each authorization must be signed by one official from both the Entity and the State, except as provided in (i) of this section, and shall be substantially the same as the form attached as Exhibit B. On behalf of the Entity, the written authorization and request shall be signed by any one of the officials of the Entity identified in Section I.A.1. above. On behalf of the State, the written authorization and request shall be signed by any one of the officials of the State identified in Section I.A.2. above. The Treasurer assumes no responsibility for expenditure of moneys paid out

of the Escrow Account pursuant to a written authorization and request properly signed and delivered the Treasurer as provided herein.

(i)

If the Entity fails to provide closure, post-closure, or corrective action of the solid waste management facility as required by the *Utah Solid Waste Permitting and Management Rules* and the Entity's solid waste disposal permit, the Executive Secretary will issue an order to close under the authority of Section 19-6-107(7) of the Utah Solid and Hazardous Waste Act. Upon completion of the Administrative process, including the Entity's right to contest and appeal the administrative action, the State may independently request, in writing, reimbursement to a State-approved and authorized third party for the costs related to the third party's activities for closure, post-closure or corrective actions at the facility.

- (d) If a written authorization and request indicates that an amount (the "Retained Amount") payable to a Provider is to be held for retainage pending completion of the Project or the lapse of time, the Treasurer shall segregate such amount and shall invest the Retained Amount in an interest-bearing account (the "Separate Account"), the interest on which shall accrue for the benefit of the Provider. The Retained Amount and all accrued interest thereon shall be disbursed by the Treasurer in the same manner as provided in paragraph 5(b) hereof. All fees charged or incurred by the Treasurer relating to the establishment, investment and disbursement of the Separate Account shall be borne solely by the Provider and may be withheld by the Treasurer from the Separate Account prior to the disbursement thereof; provided, however, that if such fees are borne by the Separate Account, and if the interest earned on the Separate Account is less than the amount of such fees, then the fees withheld from such Separate Account shall not exceed the interest earned and the balance of such fees shall be paid by the Entity.
- (e) The funds deposited by the parties hereto in the Escrow Fund and in any Separate Account shall be invested by the Treasurer in the Utah Public Treasurers' Investment Fund established by Section 51-7-5 of the Utah Code. All interest earned on moneys held in the Escrow Account shall be retained therein and disbursed as provided herein.
- (f) The Treasurer shall report at least monthly concerning the receipts, disbursements and status of the Escrow Account. The reports shall be mailed to the Entity and to the State at their respective addresses as shown in Section I.A. above. Notification of changes of address, if any, shall be in writing and mailed to the parties at their respective addresses as shown in Section I.A. above.
- (g) This Escrow Agreement will be terminated after payment of the fees and out-of-pocket expenses of the Treasurer, and upon liquidation of the Escrow Account as provided herein. This Escrow Account, upon the earlier to occur of:
- (i) receipt by the Treasurer of a written authorization and request, signed as provided in paragraph 5(c) hereof, stating that the acquisition, construction, improvement and extension of the Project is complete, that all obligations and costs in connection with the Project which are payable out of the Escrow Account have been paid and discharged, and that the Treasurer is authorized and directed to transfer all moneys in the Escrow Fund to the Entity or such other disposition as may be agreed by the State and the Entity; or
  - (ii) receipt by the Treasurer of a written certificate of the State, signed by the appropriate representatives thereof as identified in paragraph 5(c) hereof, stating that at least \_\_\_\_ months have expired from the date of this Agreement and that all remaining moneys in the Escrow Account are to be transferred to the State as a prepayment on the Bond purchased by the State or such other disposition as may be specified by the State.

6. This Agreement may be modified or amended only by a written Amendment attached to this Agreement and signed by the parties to this Agreement.

DATED this \_\_\_\_ day of \_\_\_\_\_, 200\_\_.

Entity: Beaver County Special Service District #5

By: [Signature]

Title: CHAIRMAN

Attest and Countersign:

By: [Signature]

Title: CLERK

Utah Solid & Hazardous Waste Control Board

STATE: Utah Drinking Water Board

By: [Signature]

Title: Executive Secretary

STATE: Utah Board of Water Resources

By: \_\_\_\_\_

Title: \_\_\_\_\_

Accepted:

Treasurer

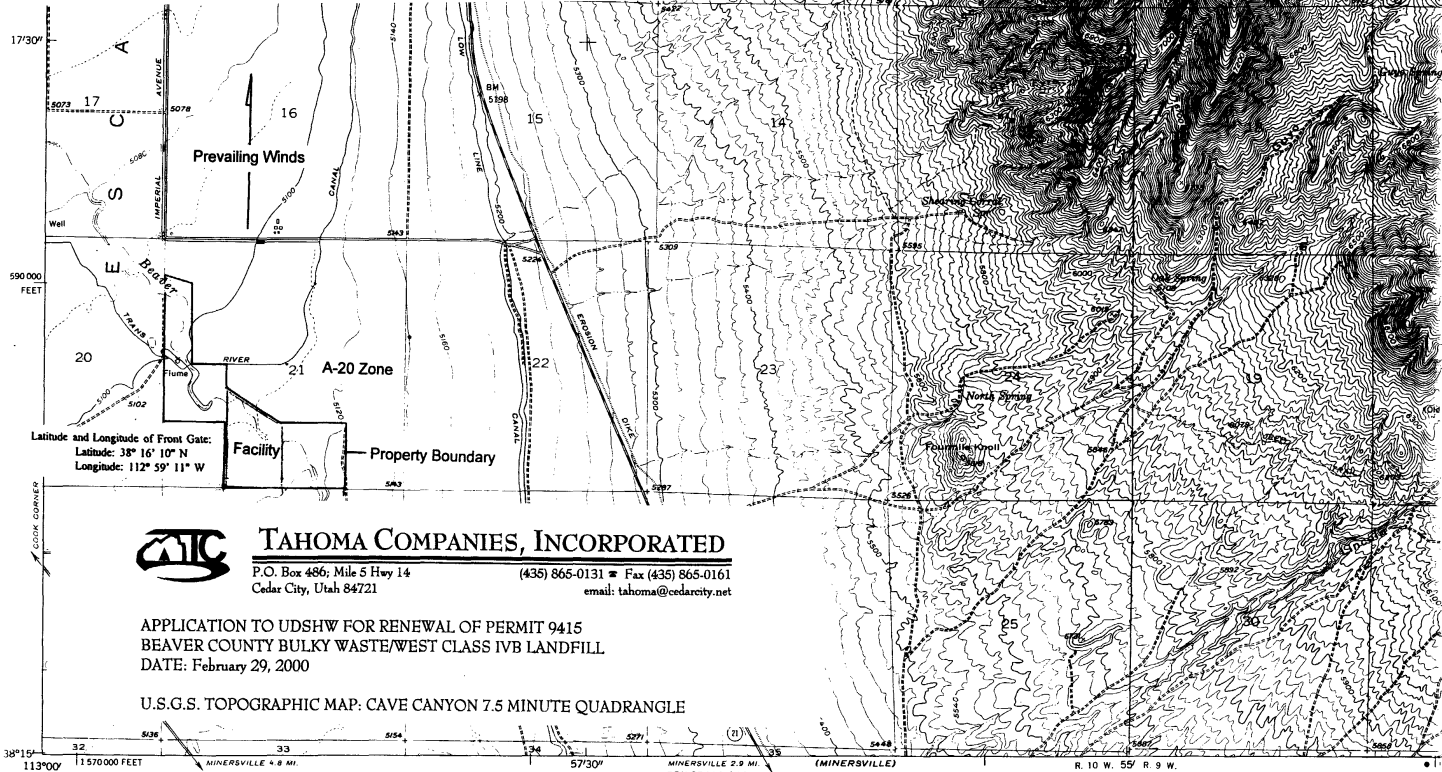
By: [Signature]

Title: \_\_\_\_\_

ROBERT C. KIRK  
FINANCIAL MANAGER

***ATTACHMENT 7***

***USGS MAP***



# **TAHOMA COMPANIES, INCORPORATED**

P.O. Box 486; Mile S Hwy 14  
 Cedar City, Utah 84721

(435) 865-0131 • Fax (435) 865-0161  
 email: tahoma@cedarcity.net

APPLICATION TO UDSHW FOR RENEWAL OF PERMIT 9415  
 BEAVER COUNTY BULKY WASTE/WEST CLASS IVB LANDFILL  
 DATE: February 29, 2000

U.S.G.S. TOPOGRAPHIC MAP: CAVE CANYON 7.5 MINUTE QUADRANGLE

Maped, edited, and published by the Geological Survey

Control by USGS and USC&GS

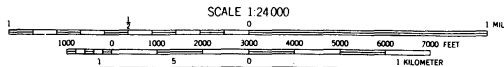
Topography from aerial photographs by multiplex methods  
 and by plane-table surveys 1953. Aerial photographs taken 1951

Scale: 1" = 2000'

Annotations by: Gary F. Player

Dimensions Approximate--Not a Survey.

TRUE NORTH  
 MAGNETIC NORTH  
 APPROXIMATE MEAN  
 DECLINATION, 1953



CONTOUR INTERVAL 20 FEET  
 DASHED LINES REPRESENT HALF-INTERVAL CONTOURS  
 DATUM IS MEAN SEA LEVEL





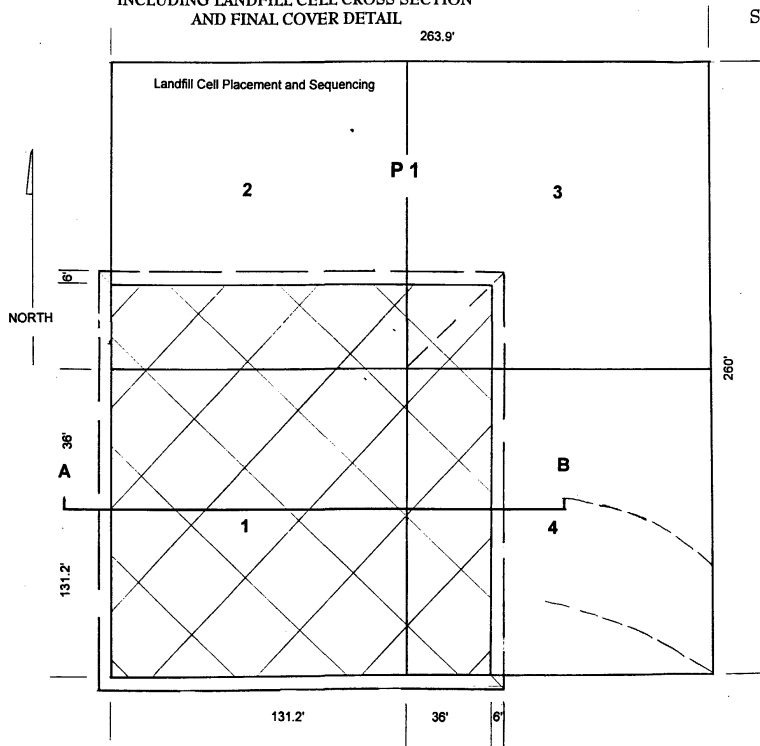
# TAHOMA COMPANIES, INCORPORATED

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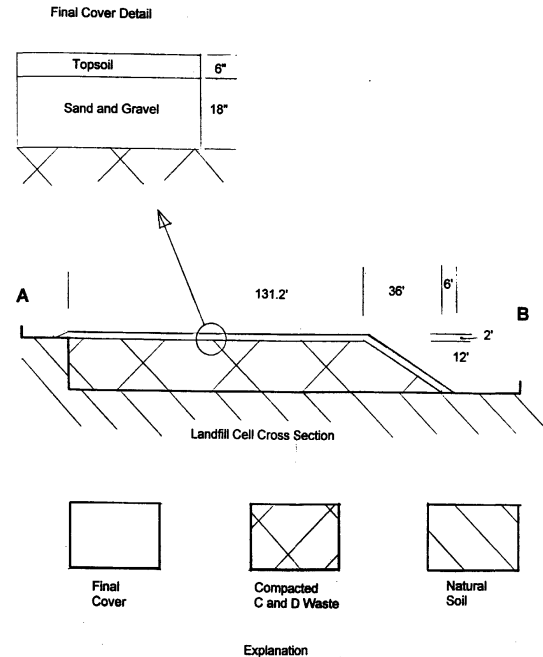
APPLICATION TO UDSHW FOR RENEWAL OF PERMIT 9415  
BEAVER COUNTY BULKY WASTE/WEST CLASS IVB LANDFILL  
DATE: February 29, 2000

FIGURE 2: LANDFILL CELL PLACEMENT AND SEQUENCING  
INCLUDING LANDFILL CELL CROSS SECTION  
AND FINAL COVER DETAIL



Scale: 1" = 40'  
Drawn by: Gary F. Player  
Dimensions Approximate--Not a Survey.

Scale: 1" = 2' (Detail Only)





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NORTH

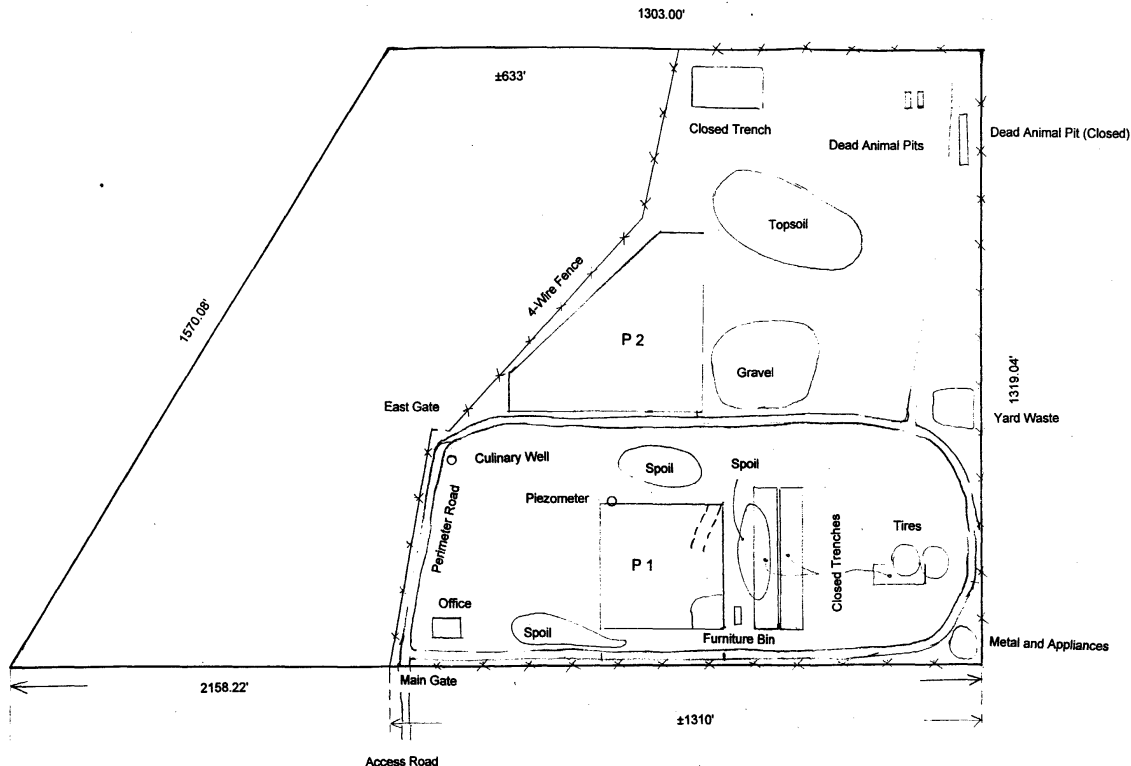
APPLICATION TO UDSHW FOR RENEWAL OF PERMIT 9415  
BEAVER COUNTY BULKY WASTE/WEST CLASS IVB LANDFILL  
DATE: February 29, 2000

FIGURE 1: FACILITY MAP

Scale: 1" = 200'

Drawn by: Gary F. Player

Dimensions Approximate--Not a Survey.



***ATTACHMENT 8***

***FIGURES***



## **\*Appendix to Piezometer**

Beaver County dug a recharge pit in the spring of 1998 to recharge water in the aquifer. A complaint was then filed with DEQ and investigated.

The solution to our problem was to put in a piezometer. The piezometer was put in the Northeast corner of P1, approximately 200 feet from the recharge pit. The piezometer was checked for water with the recharge pit full for one month and no water was detected.

Beaver County decided to abandon the recharge pit, so the inlet was dammed off. The piezometer consists of 19 feet of 4 inch pvc pipe with ½ inch holes drilled at 6 inch intervals on 2 sides of the pipe for 10 feet, with the bottom open.

The piezometer will be monitored whenever water is present in the Beaver River, which runs near the site. If water is detected in the piezometer, P1 will stop taking waste and the DEQ will then be notified. The piezometer will be checked on a weekly basis, and recorded with the end of day checkout sheet.

Beaver County Special Service District #5 will work with the DEQ to make sure that the appropriate action is taken regarding this matter.